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CLAIMS

1. A method for transfer of medical films, particularly X-ray films, or parts thereof, for diagnostics to digital electronic form and for archiving of these digital electronic images, characterized in that said method is performed by using a digital camera (11) attached to a positioning system (15), and a screen (25), said digital camera being connected to said screen and to a digital electronic image archive, whereby

- medical films arranged on a light surface are selectively examined on said screen or in a finder of said camera in order to find pathologically interesting parts;
- medical films, or parts thereof, with pathologically interesting parts found are selectively and partially magnified;
 - medical films, or parts thereof, with pathologically interesting parts found and magnified, are selectively exposed; and
 - digital electronic medical images obtained in the step of exposing are transferred to and stored in said digital electronic image archive.
- 25 2. The method as claimed in claim 1 wherein said medical films, being X-ray films, are arranged in a light cabinet (21) and said digital camera (11), attached to said positioning system (15), is arranged in front of said light cabinet prior to the step of examining.
 - 3. The method as claimed in claim 1 wherein said method for transfer is performed in connection with prediagnostics.
- 35 4. The method as claimed in claim 1 wherein said method for transfer is performed in connection with diagnostics

or consultation, particularly during an X-ray round.

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- 5. The method as claimed in any of claims 1 to 4 wherein patient-related data is input and stored together with the obtained digital, electronic, medical images in the digital, electronic image archive.
- 6. The method as claimed in claim 5 wherein the digital, electronic image archive is comprised of a PACS (Picture Archive Communications System) and the data storage is performed by communication with a patient information system RIS (Radiological Information System) included in the PACS.

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- 7. The method as claimed in any of claims 1 to 6 wherein the presence of introduced motion unsharpness before and during said selective exposure is measured.
- 8. The method as claimed in claim 7 wherein the motion unsharpness is determined in dependence on the detection of temporal intensity variations in a single image element.
- 9. The method as claimed in claim 7 wherein the motion unsharpness is determined in dependence on the detection of temporal image position variations for a predetermined detail on a medical film.

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- 10. The method as claimed in any of claims 1 to 9 wherein the light intensity of the light surface is regulated in dependence on the dynamic range of a particular medical film.
- 11. The method as claimed in any of claims 1 to 9
 35 wherein a diaphragm is arranged in front of the camera
 in dependence on the dynamic range of a particular
 medical film.

AMENDED SHEET